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L Number	Hits	Search Text	DB	Time stamp
1	166	animation with photographs	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/08 12:59
2	28	(animation with photographs) and template	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/08 12:59

EAST Browser - L1: (166) animation wi... | US 6728399 B1 | Tag: S | Doc: 62/166 | Format : KWIC

File Edit View Tools Window Help

US-PAT-NO: 6728399

DOCUMENT-IDENTIFIER: US 6728399 B1

TITLE: Method and apparatus for defining color borders in a raster image by identifying and breaking contrast ties

------ KWIC ------

Brief Summary Text - BSTX (4):

Image processing generally refers to the manipulation of pictorial data using computers. Computer Aided Design (CAD) is one example of how computers are used to draft complex engineering drawings such as mechanical, architectural or electrical drawings. Other examples of image processing include the manipulation of still photographs or cinema to achieve various effects such as feature enhancement, three-dimensional rendering, or animation. However, the term "image processing" is not limited to pictures--it generally refers to the digitization and computer processing of any analog signal that represents something physical and perceptible in the world. An audio signal can be digitized and processed with computers to perform manipulations such as noise reduction or voice recognition; modulated electrical signals, such as

Details | Text | Image | HTML | KWIC

60	US 6728784 B1
61	US 6728660 B2
62	US 6728399 B1
63	US 6717584 B2

EAST Browser - L2: (28) 1 and template | US 20040029068 | Tag: S | Doc: 3/28 | "Full" 1/116 (Total images 116)

File Edit View Tools Window Help

Summary of Invention Paragraph - BSTX (12):

[0013] The present invention is directed to an effective, comp integrated and interactive orthodontic treatment planning syst the necessary tools to allow the orthodontist to quickly and eff a treatment plan for a patient. The present invention also prov treatment planning system in which the orthodontist-derived p: treatment can be translated into a design of the treatment. Th embodiment integrates 2D and 3D images to drive effective tre Intelligence is built into the system whereby predefined therap strategies, such as extraction, interproximal reduction, distal molars, can have associated value sets predefined by the clini used to drive the appropriate set-up automatically. Such prede therapeutic strategies could be entered via convenient user int such as by templates.

Summary of Invention Paragraph - BSTX (27):

[0027] In yet another embodiment of the invention, the unifie facilitates rapid selection of treatment plan driven by template practitioner provides specific values or ranges of values for the parameters, such as for midline, maxilla and mandible levels a aesthetic occlusal plane, various positions for upper and lower planes, reference tooth, arch form and alignment parameters f space requirements, etc. for patient. The unified workstation, instructions based tools, searches a clinical benchmarking kn

Details | Text | Image | HTML | KWIC

2	US 20040073446 A1
3	US 20040029068 A1
4	US 20040015327 A1
5	US 20030233547 A1

US 20040029068A1

(19) United States

(12) Patent Application Publication (10) Pub. No.: US 2004/0029068 A1

Sachdeva et al. (43) Pub. Date: Feb. 12, 2004

(54) METHOD AND SYSTEM FOR INTEGRATED ORTHODONTIC TREATMENT PLANNING USING UNIFIED WORKSTATION

(75) Inventors: Rohit Sachdeva, Frisco, TX (US); Peer Speichert, Berlin (DE); Stephan Mautsch, Berlin (DE); Hans Imgrund, Berlin (DE); Claudia Stirnen, Berlin (DE); Phillip Getto, Plano, TX (US); Sanjeev Tyagi, Plano, TX (US); Matthew Johnson, Dallas, TX (US); John Peterson, Plano, TX (US); Ramya Badrya, Berlin (DE); Daniel De Silva, Plano, TX (US)

Correspondence Address
MCDONNELL BOEHNEN HULBERT & BERGHOFF
300 SOUTH WACKER DRIVE
SUITE 3200
CHICAGO, IL 60606 (US)

(73) Assignee: OraMetrix, Inc.

(21) Appl. No.: 10/428,441

(22) Filed: May 1, 2003

Related U.S. Application Data

(63) Continuation-in-part of application No. 09/836,412, filed on Apr. 18, 2001, now Pat. No. 6,632,089.

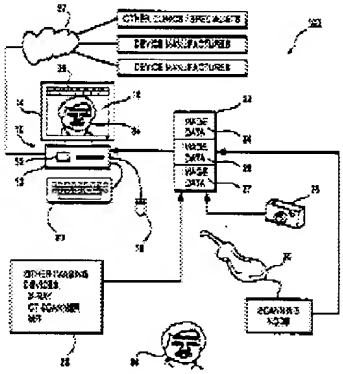
Publication Classification

(51) Int. Cl.[7] A61C 3/00

(52) U.S. Cl. 433/24

(57) ABSTRACT

A method and workstation for orthodontic treatment planning of a patient. The workstation is based on a computing platform having a graphical user interface, a processor and a computer storage medium containing digitized records pertaining to a patient including image data (3D image data and/or 2D image data). The workstation further includes a set of software instructions providing graphical user interface tools which the user marks a midline and an occlusal plane in a two- or three-dimensional virtual model of the patient, marks at minimal plane in the virtual model, selects a reference tooth in the virtual model digital virtual tools in the virtual model of a proposed arrangement to treat the patient, manages space between the virtual tools in the proposed arrangement, and repeats one or more of these steps as an iterative fashion to make any further adjustments to the proposed arrangement. When the adjustments are complete, the user records or transfers a finished proposed treatment plan for treating the patient.



EAST Browser - L1: (166) animation wi... | US 20020033834 | Tag: S | Doc: 55/166 | "Full" 1/13 (Total images 13)

File Edit View Tools Window Help

DOCUMENT-IDENTIFIER: US 20020033834 A1

TITLE: Method of and apparatus for secondary applic film image

------ KWIC ------

Summary of Invention Paragraph - BSTX (3):

[0002] The celluloid animation has been produced by laminat background image a plurality of transparent sheets called cellu objects are drawn and taking pictures of photographs frame by continuously on a 35 mm film. Most of classical celluloid anim masterpieces produced in 1950's and 1960's are maintained in

Details | Text | Image | HTML | KWIC

53	US 20020059604 A1	
54	US 20020057289 A1	
55	US 20020033834 A1	
56	US 20020010789 A1	

US 20020033834A1

(19) United States

(12) Patent Application Publication (10) Pub. No.: US 2002/0033834 A1

Benjyama et al. (43) Pub. Date: Mar. 21, 2002

(54) METHOD OF AND APPARATUS FOR SECONDARY APPLICATION OF FILM IMAGE

(75) Inventors: Sunihiko Benjyama, Kawasaki (JP); Toshio Moriya, Kawasaki (JP); Hiroto Tomita, Kawasaki (JP)

Correspondence Address:
MASTINGLY, STANGER & MALEK, P.C.
ATTORNEYS AT LAW
100 EAST HUME AVENUE
ALEXANDRIA, VA 22301 (US)

(21) Appl. No.: 09/794,886

(22) Filed: Mar. 3, 2001

(30) Foreign Application Priority Data

Sep. 18, 2000 (JP) 2000-282647

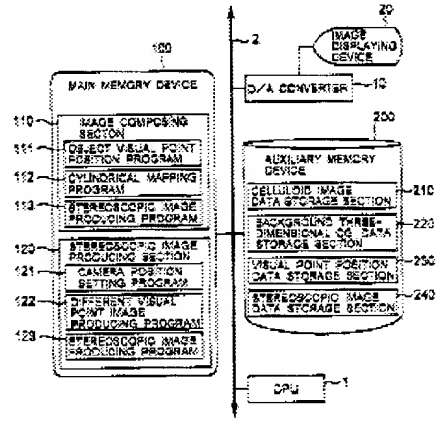
Publication Classification

(51) Int. Cl.[7] G09G 5/00

(52) U.S. Cl. 345/419

(57) ABSTRACT

In a stereoscopic image providing apparatus comprising an image displaying device, a memory device for storing celluloid image data with an display of an object to be composed, visual point position data indicating positional relationship between the object and a position of a visual point and background three-dimensional CG data to be composed, a CPU operates according to a program stored in a main memory device 100 to produce a stereoscopic image from two sets of composed image data as viewed from different visual points, each set of said data being produced by combining the steps of calculating a visual point position of the object included in the celluloid image, determining position and size of a cylindrical model based on the result of the calculation, mapping the celluloid image to the cylindrical model and composing the mapped data with the three-dimensional CG data.



EAST Browser - L1: (166) animation wi... | US 20020063714 A1 | Tag: S | Doc: 51/166 | Format : KWIC

File Edit View Tools Window Help

DOCUMENT-IDENTIFIER: US 20020063714 A1

TITLE: Interactive, multimedia advertising systems and methods

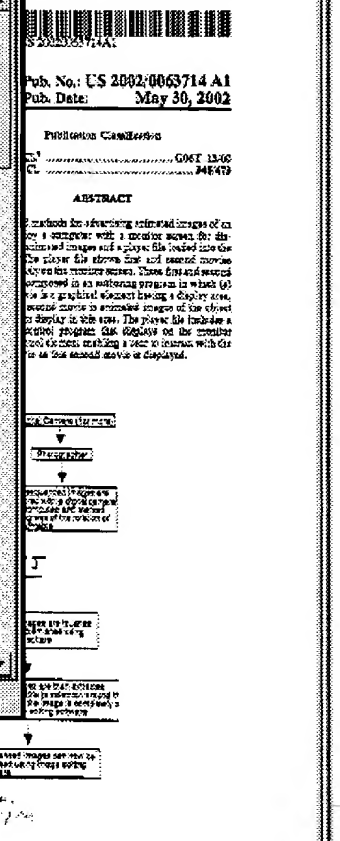
----- KWIC -----

Claims Text - CLTX (1):

1. A method of creating and displaying an animated image of a first object, comprising the steps of (a) taking in a predetermined sequence a series of individual photographs of the object, including portions any background matter, (b) storing in the memory of a computer as individual digital images said individual photographs, (c) editing the digital images to remove any image of the background matter, (d) installing in the memory of the computer an authoring program for creating scalable, interactive animation of said edited and digital images, said authoring program being adapted to interact with a functional control program and having a storage section for imported digital images, (e) importing into said storage section said edited digital images as individual bitmap images and storing said individual bitmap images in said predetermined sequence within said storage section, thereby enabling the authoring program to display on a screen of a computer monitor said individual bitmap images rapidly one after another to create an animated image of said

Details | Text | Image | HTML | KWIC

49	US 20020073214 A1
50	US 20020070879 A1
51	US 20020063714 A1
52	US 20020062159 A1



EAST Browser - L1: (166) animation wi... | US 20030085904 A1 | Tag: S | Doc: 29/166 | Format : KWIC

File Edit View Tools Window Help

DOCUMENT-IDENTIFIER: US 20030085904 A1

TITLE: Method and system for visualizing paint on a computer-generated object

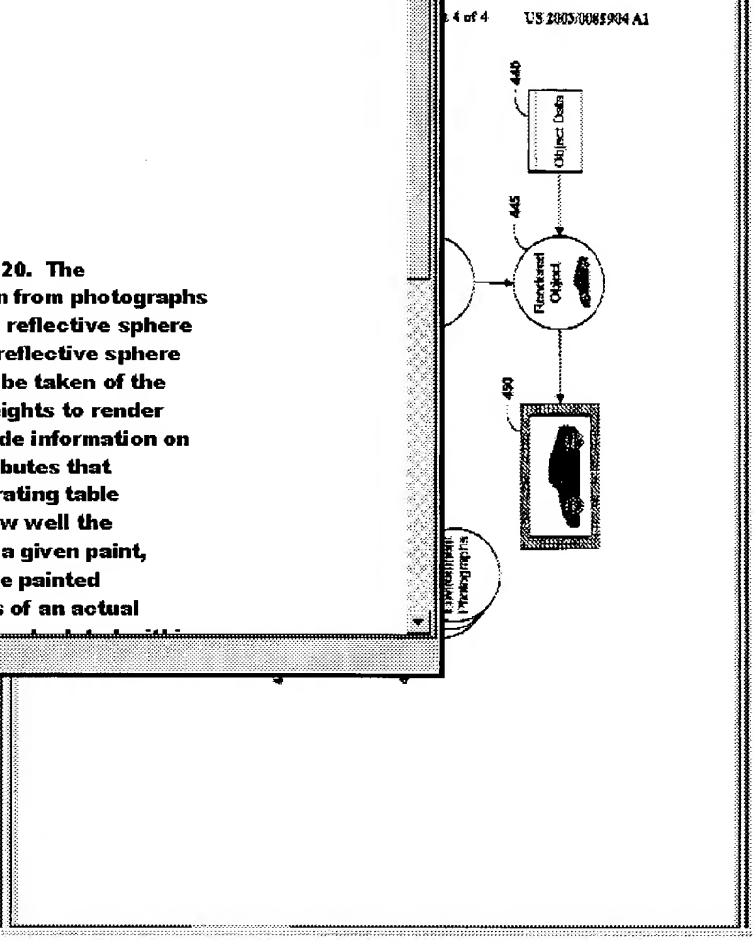
----- KWIC -----

Detail Description Paragraph - DETX (5):

[0034] Environment math data may be obtained, as seen in 120. The environment math data may comprise digital information taken from photographs of selected environments. The photographs may be taken of a reflective sphere in the chosen setting. A single photograph may be taken of a reflective sphere or hemisphere for static rendering. Multiple photographs may be taken of the sphere or hemisphere at different angles including different heights to render accurately a 3-D animation. Environment math data may include information on the reflectivity of a paint in a particular environment with attributes that define the reflectivity at any point on the object. A reflection-rating table may be created for each paint with ratings, for example, on how well the contours of the reflections are seen on a surface painted with a given paint, and on how well the color of the reflections may be seen on the painted surface. The information may be received from measurements of an actual

Details | Text | Image | HTML | KWIC

27	US 20030128205 A1
28	US 20030085932 A1
29	US 20030085904 A1
30	US 20030053162 A1



EAST Browser - L1: (166) animation wi... | US 20030046160 | Tag: 5 | Doc: 31/166 | "Full" 1/18 (Total images 18)

File Edit View Tools Window Help

DOCUMENT-IDENTIFIER: US 20030046160 A1

TITLE: Animated electronic message and method of

------ KWIC ------

Detail Description Paragraph - DETX (12):

[0037] FIG. 5 provides a more detailed illustration of the first Sender provides a digital still image 30. Digital still image 30 p comprises a facial image. An animation model 32 is generated still image 30 using software and methods known to those skil for example, as disclosed in "Synthesizing Realistic Facial Exp Photographs", by Pighin et al, SIGGRAPH 98, Computer Graphic Annual Conference Series, 1998, Pages 75-83. A further metho from LifeFX, Inc. which has developed a tool called Facemail f animated email messages (refer to "You've Got Face!", Time, A 77). As such, Lifefx utilizes a model of a facial image.

Details | Text | Image | HTML | KWIC

29	US 20030085904 A1
30	US 20030053162 A1
31	US 20030046160 A1
32	US 20030046152 A1

...TRONIC MESSAGE AND ...ODUCING

...o R. Paz-Pujalt, Rochester, NY ...John R. Squilla, Rochester, NY ...hilip R. Ashe, Rochester, NY ...Thomas M. Stephany, ...ville, NY (US); Donald E. ... Rochester, NY (US); Jacob L. ...mewold, Penfield, NY (US); ...R. Bollin, Fairport, NY (US); ...d A. Simon, Rochester, NY (US)

...ddress: ...f ...Company

...650-2201 (US)

...)/947,826

...p. 6, 2001

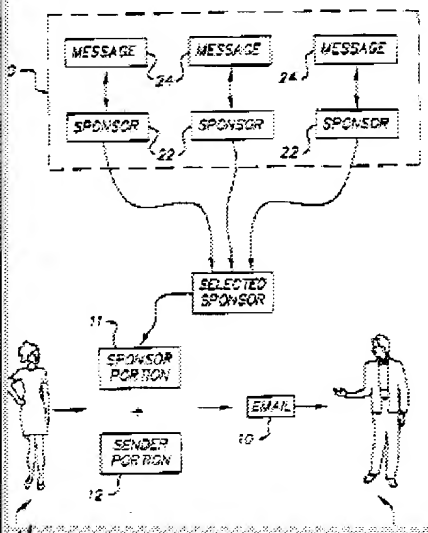
Publication Classification

(51) Int. Cl.[7] G06F 17/60; G06F 15/16

(52) U.S. Cl. 705/14; 709/204

(57) ABSTRACT

A method of producing an animated electronic message in which at least a portion of a fee associated with producing the animated electronic message is paid for by a sponsor. The method comprises the steps of a user accessing a database which includes at least one sponsor message and software for producing the animated electronic message; the user using the software to produce the animated electronic message; the user agreeing to use the sponsor message which will provide a credit for some of the fee for producing the animated electronic message; and attaching the sponsor message and the animated electronic message which is sent to one or more recipients. In a further embodiment, a sponsor coupon is distributed with the sponsor message and the animated message. In a still further embodiment, the sponsor message is animated. In yet a further embodiment, the credit for some of the fee is paid by the sponsor to a service provider or to the user.



EAST Browser - L1: (166) animation wi... | US 20020122067 | Tag: 5 | Doc: 43/166 | "Full" 1/33 (Total images 33)

File Edit View Tools Window Help

TITLE: System and method for automatic layout of in
digital albums

------ KWIC -----

Detail Description Paragraph - DETX (5):

[0055] A complete albuming automation system utilizes vario algorithms and techniques including advanced event clustering image appeal and automatic page layout. In an illustrative em emphasis of such a system is for a "DAFY" (Do-it-All-For-You) li where the user inputs a collection of images and the system p (a collection of images) with minimal input from the user. It wi understood by those of ordinary skill in the art, that the term `i encompasses a much broader scope than the conventional ph the album concept stems from the traditional photographic alb digital world, images include computer generated graphics, bit photographs, computer altered photographs, video still frames, various forms of artwork, text, background materials, and ever animation, and computer generated time variant materials.

Details | Text | Image | HTML | KWIC

41	US 20020158972 A1
42	US 20020124004 A1
43	US 20020122067 A1
44	US 20020107737 A1

US 20020122067 A1

(19) United States

(12) Patent Application Publication (10) Pub. No.: US 2002/0122067 A1

Geigel et al. (43) Pub. Date: Sep. 5, 2002

(54) SYSTEM AND METHOD FOR AUTOMATIC LAYOUT OF IMAGES IN DIGITAL ALBUMS

(75) Inventors: Joseph M. Geigel, Pittsford, NY (US); Alexander C. Loui, Penfield, NY (US)

Correspondence Address:
Thomas H. Close
Patent Legal Staff
Eastman Kodak Company
343 State Street
Rochester, NY 14650-2201 (US)

(21) Appl. No.: 09/793,889

(22) Filed: Dec. 26, 2000

Publication Classification

(51) Int. Cl.[7] G06F 3/00

(52) U.S. Cl. 345/730

(57) ABSTRACT

A system and method for automatic creation of digital image albums. A Page Creator Module utilizes genetic engine and a layout evaluation module. The genetic engine evolves a group of images to a plurality of album pages, based on certain layout criteria. The evaluation module evaluates layout criteria and computes them with user preferences. When an acceptable image layout has been generated, the image/page assignments are transferred to an Image Placement Module. The Image Placement Module utilizes a second genetic engine, which evolves various criteria to generate page layouts graphic structures. These structures define the location, scale, and rotation of images placed on a given page. A layout evaluator module evaluates and computes these layouts with certain other preferences and page requirements. When a suitable layout has been generated, a final album output is generated, which may be displayed, printed, or otherwise transferred for subsequent reference.